Division of Health Care Finance and Policy

Fiscal Year 1996

Inpatient Hospital Discharge Database Documentation Manual

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General Documentation
FY1996 Inpatient Hospital Discharge Database

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General Documentation
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INTRODUCTION

This documentation manual consists of two sections:

GENERAL DOCUMENTATION
TECHNICAL DOCUMENTATION

The General Documentation for the Fiscal Year 1996 Hospital Case Mix & Charge Data Base is intended to provide users with an understanding of the data quality issues connected with the data elements they may decide to examine. This document includes hospital-reported discrepancies received in response to the data verification process.

Technical Documentation includes information on the fields calculated by the Division of Health Care Finance & Policy (DHCFP), and provides a data file contents summary which describes hospital data that is included in the two files (i.e., accepted data file and a cautionary use file). In addition, revenue code mappings and an alphabetical payer type list are included.

For your reference, the tape specifications listed following this section provide the necessary information to enable the user to access files on the 3480 cartridges.

TAPE SPECIFICATIONS

File 1:

DSN is RSC0C.FIPA0000.YEND96.V1.LEV_.ACCEPTED.DATA

1. 3480 Data Cartridge
2. Character Set is EBCDIC
3. Record length in bytes 1,931
4. Block length in bytes 23,172
5. Format is fixed block
6. Number of Records: 751,458

File 2:

DSN is RSC0C.FIPA0000.YEND96.V1.LEV_.CAUTION.DATA

1. 3480 Data Cartridge
2. Character Set is EBCDIC
3. Record length in bytes 1,931
4. Block length in bytes 23,172
5. Format is fixed block
6. Number of Records: 5,387

SECTION I. GENERAL DOCUMENTATION

PART A. BACKGROUND INFORMATION

1. General Documentation Overview
2. Development of the FY1996 Database
3. DRG Methodology

PART A. BACKGROUND INFORMATION

1. General Documentation Overview

The General Documentation consists of five parts.

PART A. BACKGROUND INFORMATION: Provides information on the development of the fiscal year 1996 database and the DRG methodology used. Six levels of the database exist; the information contained in each of the database levels is described in this section.

PART B. DATA: Describes the basic data quality standards as contained in 114.1 CMR 17.00 Requirement for the Submission of Case Mix and Charge Data (referred to as the 17.00 Regulation); some general data definitions, general data caveats, and information on specific data elements.

The case mix data plays a vital and growing role in health care research and analysis. To ensure the database is as accurate as possible, the DHCFP requires hospitals to use a standard Response Sheet. This Response Sheet is used to certify the correctness of the data as it appears on the verification report, or to certify that the hospital found discrepancies in the data. If a hospital finds data discrepancies, then the DHCFP requests the hospital submit written corrections that provide an accurate profile of the hospital's fiscal year 1996 discharges. Part C of the documentation displays hospital response sheets.

PART C. HOSPITAL RESPONSES: Details hospitals' responses received as a result of the data verification process. From this section users can also learn which hospitals did not verify their data. This section contains the following lists and charts.

1. Summary of Hospitals' Verification Report Responses
2. Summary of Reported Discrepancies by Category of Reported Data Errors.
3. Data Discrepancies and Correction Responses Received from Hospitals
4. Hospitals with Special Circumstances

PART D. CAUTIONARY USE DATA FILE: Lists hospitals for which DHCFP does not have four (4) quarters of acceptable data, as specified under Regulation 114.1 CMR 17.00.

NOTE: In Fiscal Year 1996, two hospitals did not meet the requirement of the 17.00 regulation for all four quarters.

PART E. HOSPITALS WITH NO DATA SUBMISSION: Lists those hospitals which failed to provide any fiscal year 1996 data to the DHCFP.

PART F. SUPPLEMENTS: Provides Supplements I through IV listed in the Table of Contents.

PART A. BACKGROUND INFORMATION

2. Development of the 1996 Database

The Division of Health Care Finance & Policy continued its efforts to improve the processing and accuracy of case mix data. All staff involved with the processing and management of the database meet on a weekly basis to discuss and, in most cases, resolve a host of issues that inevitably arise. Additional staff was added to the project in order that the Division could respond to hospitals with needed technical assistance and to ensure that the processing of the data was done expeditiously. The Division also continued the practice of providing hospitals with an opportunity to verify data at mid-year.

Six Fiscal Year 1996 database levels have been created to correspond to the levels set forth in Regulation 114.5 CMR 2.00, Disclosure of Hospital Case Mix and Charge Data. Higher levels contain an increasing number of the data elements which are defined as "Deniable Data Elements" in Regulation 114.5 CMR 2.00. The deniable data elements are medical record number, billing number, claim certificate number (Medicaid Recipient Identification Number), unique health identification number (UHIN), date of admission, date of discharge, date of birth, date(s) of surgery, and unique physician number (UPN). A description of these levels follows:

LEVEL I	Contains all case mix data elements, except the deniable data elements.
LEVEL II	Contains all Level I data elements, plus the UPN.
LEVEL III	Contains all Level I data elements, plus the UHIN, an admission sequence number for each UHIN record, and a calculation of the number of days between inpatient stays for each UHIN record.
LEVEL IV	Contains all Level I data elements, plus the UPN, the UHIN, an admission sequence number for each UHIN record, and a calculation of the number of days between inpatient stays for each UHIN record.
LEVEL V	Contains all Level IV data elements, plus the date of admission, date of discharge, and the date(s) of surgery.
LEVEL VI	Contains all of the case mix data including deniable data elements except the patient identifier component of the claim certificate number.

PART A. BACKGROUND INFORMATION

3. DRG METHODOLOGY – All-Patient Groupers, Version 8.1 & Version 12.0

USERS PLEASE NOTE: The New Jersey Version II Grouper was used to classify discharges into Diagnostic Related Groups (DRGs) prior to October 1991.

Beginning in October 1991, the DHCFP began using the All-Patient Grouper Version 8.1 (mainframe) to classify all patient discharges for hospital's profiles of discharges and for the yearly database. This change in grouping methodology was made because the All-Patient DRG better represents the general population and provides improvements in areas such as newborns and the HIV population. Both the AP-DRG Version 8.1 Grouper and the AP-DRG Version 12.0 grouper have been included on the fiscal year 1996 database. The purpose of Providing two groupers on the database is to offer a more current grouper, (AP-DRG 12.0) while allowing consistency for previously released data bases which contain the AP-V8.1. (Please note that hospitals were reviewed for verification using both the AP-V8.1 and V12.0 Groupers.)

The Version 8.1 All Patient-DRG methodology is not totally congruent with the ICD-9-CM procedure and diagnosis codes in effect for this fiscal year 1996. Therefore, it was necessary to convert some ICD-9-CM codes to those acceptable to the AP-DRG 8.1 grouper. The MRSC mapped the applicable ICD-9-CM codes into a clinically representative code using the historical mapper utility provided by 3M Health Information Systems. This conversion is done internally for the purpose of DRG assignment and for reimbursement, and in no way alters the original ICD-9-CM codes that appear on the database. These codes remain on the database as they were reported by the hospital.

There are several birth weight options within the 3M Grouper software for determining newborn DRG assignment. Option 5, which determines the newborn DRGG by inferring birth weight from the ICD-9 code is used as the birth weight option in both implementations of groupers V8.1 and V12.0.

DRGs and the Verification Report Process

The hospitals' profile of discharges, grouped by AP-DRG 8.1, is part of the verification report, and it is this grouped profile on which the hospitals commented. The Division urged hospitals to use the All-Patient-DRG Grouper with same system specifications as used by the DHCFP.

PART B. DATA

1. Data Quality Standards
2. General Definitions
3. General Data Caveats
4. Specific Data Elements

PART B. DATA

1. Data Quality Standards

Fiscal year 1996 merged case mix and charge data was submitted 75 days after the close of each quarter. The data was then edited using the Integrated Data Demonstration (IDD) software, as modified by DHCFP. Required data elements and corresponding edits are specified in 114.1 CMR 17.00: Requirement for the Submission of Hospital Case Mix and Charge Data.

The quarterly data is edited for compliance with regulatory requirements using a one percent error rate specified in Regulation 114.1 CMR 17.00. The one percent error rate is based on the presence of Type A and Type B errors as follows:

Type A: One error per discharge caused rejection of the discharge.
Type B: Two errors per discharge caused rejection of the discharge.

If more than one percent of the discharges are rejected, then the entire tape submission is rejected by the DHCFP. These edits primarily check for valid codes, correct formatting, and presence of required data elements. Please see Supplement I for a listing of data elements categorized by error type.

Each hospital receives a quarterly error report displaying invalid discharge information. Quarterly data which does not meet the one percent compliance standard must be resubmitted by the individual hospital until the standard is met. All but two hospitals met this one percent error rate standard for all four quarters of fiscal year 1996. (Data for the two hospitals which did not meet the one percent error rate is contained in the Cautionary Use File.)

Verification Report Process

The yearly case mix and charge data Verification Project is intended to present hospitals with a profile of their individual data as retained by the Division. The purpose of this project is to function as a quality control measure for hospitals to review the data they have provided to the DHCFP. The Verification Report itself is a series of frequency reports covering selected data elements including the number of discharges, amount of charges by accommodation and ancillary center, and listing of Diagnostic Related Groups (DRGs). Please refer to Supplement II for a description of the Verification Report contents.

PART B. DATA
1. Data Quality Standards

The Verification Report Response Form allows for two types of responses as follows:

> "A" Response: By checking this category, a hospital indicates its agreement that the data appearing on the Verification Report is accurate and that it represents the hospital's case mix profile.
>
> "B" Response: By checking this category, a hospital indicates that the data on the report is accurate except for the discrepancies noted.

Hospitals have the opportunity to review their data twice a year. After a hospital has successfully submitted the first two quarters of data, a mid-year verification report is produced for the hospital's review. Hospitals are strongly encouraged to review the mid-year report for inaccuracies and make corrections so that subsequent quarters of data will be accurate. A year-end verification report is produced after four quarters of data have passed the required edits. At this point, hospitals are asked to certify the accuracy of their data. Upon verification of the data, the hospital submits an 'A' response verifying the data. If any discrepancies exist, the hospital submits a 'B' response and is requested to provide a written explanation of the discrepancies to be included in the General Documentation which accompanies copies of the database released to users. These written explanations are contained in Part C of the documentation.

PART B. DATA
2. General Definitions

Before turning to an examination of specific data elements, several basic data definitions (as contained in 114.1 CMR 17.00: Requirement for the Submission of Hospital Case Mix and Charge Data) should be noted.

Case Mix Data:
Case specific, discharge data which includes both clinical data, such as medical reason for admission, treatment, and services provided to the patient, and duration and status of the patient's stay in the hospital; and socio-demographic data, such as expected payer, sex, race, and patient zip code.

Charge Data
The full, undiscounted total and service specific charges billed by the hospital to the general public.

Ancillary Services
The service and their definitions as specified in the Commonwealth of Massachusetts Hospital Uniform Reporting Manual (HURM). [And as specified by the reporting codes and mapping scheme as listed in 114.1 CMR 17.06 (2) (c)]

Routine Services
The services and their definitions as specified in HURM s.3241, promulgated under 114.1 CMR 4.00. Reporting codes are defined in 114.1 CMR 17.06(2)(a) and include medical / surgical, obstetrics, and pediatrics.

Special Care Units
The units which provide patient care of a more intensive nature than provided to the usual medical, obstetric, or pediatric patient. These units are staffed with specially trained nursing personnel and contain monitoring and specialized support equipment for patients who require intense, comprehensive care.

PART B. DATA
3. General Data Caveats

The following general caveats stem from information gathered through conversations with members of the Division of Health Care Finance & Policy Case Mix Data Advisory Group, staff at the Massachusetts Hospital Association, staff at the Massachusetts Health Data Consortium (MHDC), and the numerous and various admitting, medical record, financial, administrative, and data processing personnel who call to comment upon the Division's procedural requirements.

Information may not be entirely consistent from hospital to hospital due to differences in:

- Collection and verification of patient supplied information before or at admission;
- Medical record coding, consistency, and completeness;
- Extent of hospital data processing capabilities;
- Flexibility of hospital data processing systems;
- Varying degrees of commitment to quality of merged case mix and charge data;
- Capacity of financial processing system to record late occurring charges on the Division of Health Care Finance & Policy Tape;
- Non-comparability of data collection and reporting.

Case Mix Data

In general terms, the case mix data, is derived from patient discharge summaries which can be traced to information gathered upon admission of from information entered by admitting and attending physicians into the medical record. The quality of case mix data is dependent upon hospital data collection policies and coding practices of the medical staff, as well as the DRG optimizing software used by the hospital.

Charge Data

Issues to consider with the charge data: A few hospitals do not have the capacity to add late occurring charges to the Rate Setting Commission tape within the current timeframes for submitting data. In some hospitals, "days billed" or "accommodation charges" do not equal the length of stay or the days that the patient spent in the hospital. One should note that charges are a reflection of hospital pricing strategy and may not be indicative of the cost of patient care delivery.

Expanded Data Elements

Care should also be used when examining data elements that have been expanded especially when analyzing multi-year trends. In order to maintain consistency across years, it may be necessary to merge some of the expended codes. For example, the Patient Disposition codes were expanded as of January 1, 1994 to include a new code for "Discharged/Transferred to a Rehab Hospital". Prior to this quarter, these discharges would have been reported under the code "Discharged/transferred to a chronic or rehab hospital" which itself was changed to "Discharged/transferred to chronic hospital". If performing an examination of these codes across years, one will need to combine the "rehab" and "chronic" codes in the data beginning January 1, 1994.

PART B. DATA
4. Specific Data Elements

The purpose of the following section is to provide the user with explanations of some data elements included in the 17.00 Regulation and to give a sense of their reliability.

A. Existing Data Elements

DPH Hospital ID Number
The Massachusetts Department of Public Health four digit number. (See Attachment IV.)

Patient Race
Due to misconceptions regarding the collection of race information, the Rate Setting Commission worked with the Massachusetts Commission Against Discrimination. The result was the mailing of a statement from the Massachusetts Commission Against Discrimination to all hospital administrators. This statement explained that asking for race information was voluntary and was not a form of discrimination.

The accuracy of the reporting of this data element for a given hospital is difficult to ascertain; therefore the user should be aware that the distribution of patients for this data element may not represent an accurate grouping of a given hospital's population.

Leave of Absence (LOA) Days
Hospitals are required to report these days to the Commission if they are used. At present, the Commission is unable to verify the use of these days if they are not reported nor can the Commission verify the number reported if a hospital does provide the information. Therefore, the user should be aware that the validity of this category relies solely on the accuracy of a given hospital's reporting practices.

Unique Health Identification Number (UHIN)
The patient's encrypted social security number.

Principal External Cause of Injury Code
The ICD-9 code which categorizes the event and condition describing the principal external cause of injuries, poisonings, and adverse effects.

Unique Physician Number (UPN)
The encrypted Massachusetts Board of Registration in Medicine license number for the attending and operating physician.

Payer Codes
In 1994, payer information was been expanded to include payer type and payer source. Payer type is the general payer category such as HMO, Commercial, or Worker's Compensation. Payer Source is the specific health care coverage plan such as Harvard Community Health Plan or Aetna Life Insurance.

Source of Admission
Three new sources have been added: ambulatory surgery, observation, and extramural birth (for newborns).

Patient Disposition
Four new discharge/transfer categories were added in January 1994: to another type of institution for inpatient care or referred for outpatient services to another institution, to home under care of a Home IV Drug Therapy Provider, to rehab hospital, and to rest home.

Accommodation and Ancillary Revenue Codes
These codes have been expanded to coincide with the current UB-92 Revenue Codes.

B. DHCFP Calculated Fields

Admission Sequence Number
This calculated field indicates the chronological order of admissions for patients with multiple inpatient stays. A match with the UHIN only, is used to make the determination that a patient has had multiple stays. (Please read the comments below.)

Days Between UHIN Stays
This calculated field indicates the number of days between each discharge and each consecutive admission for applicable patients. Again, a match with the UHIN, only, is used to make the determination that a patient has been readmitted. (Please read the comments below.)

The DHCFP has done some analyses of the UHIN data and in the process, has discovered problems with some of the reported data. For a few hospitals, no UHIN data exists as these hospitals failed to report patients' social security numbers (SSN). Other hospitals reported the same SSN repeatedly resulting in up to 83 admissions for one UHIN in one instance. In other cases the demographic information (age, sex, etc.) was not consistent when a match did exist with the UHIN. Some explanations for this include assignment of a mother's SSN to her infant or assignment of a spouse's SSN to a patient. This demographic analysis shows a probable error rate in the range of 2%-10%.

On average, the DHCFP found that 91% of the SSN's submitted are valid when edited for compliance with rules issued by the Social Security Administration. Staff continually monitors the encryption process to ensure that duplicate UHINs are not inappropriately generated and that recurring SSN's consistently encrypt to the same UHIN. Only valid SSN's are encrypted to a UHIN; invalid SSN's are set to "---------".

Based on these findings, the DHCFP strongly suggests that users perform some qualitative checks of the data prior to drawing conclusions about that data.

PART C. HOSPITAL RESPONSES

1. Summary of Hospitals' Verification Report Responses
2. Summary of Reported Discrepancies by Category
3. Data Discrepancies and Correction Responses Received from Hospitals
4. Hospitals with Special Circumstances

PART C. HOSPITAL RESPONSES

1. Summary of Hospitals' Verification Report Responses

ID	Hospital Name	'A'	'B'	None	Comments
2016	Addison Gilbert			X	
2006	Anna Jaques				Cautionary Use File
2226	Athol Memorial				Cautionary Use File
2073	Atlanticare Medical Ctr.	X			
2339	Baystate Medical Center			X	
2313	Berkshire Medical Ctr.			X	
2069	Beth Israel Hospital	X			
2007	Beverly Hospital Corp.			X	
2307	Boston Medical Ctr-BCH			X	
2060	Boston Reg. Med. Ctr.			X	
2921	Brigham & Women's	X			
2118	Brockton Hospital	X			
2108	Cambridge Hospital			X	
2135	Cape Cod Hospital			X	
2003	Carney Hospital			X	
2337	Charlton Memorial	X			
2139	Children's Medical Ctr.	X			
2126	Clinton Hospital			X	
2020	Columbia MetroWest	X			
2155	Cooley Dickinson	X			
2335	Dana Farber	X			
2092	Deaconess Hospital			X	
2054	Deaconess-Glover			X	
2298	Deaconess-Nashoba	X			
2067	Deaconess-Waltham	X			
2018	Emerson Hospital	X			
2052	Fairview Hospital			X	
2289	Falmouth Hospital		X		
2048	Faulkner Hospital		X		
2120	Franklin Medical			X	
2311 2101	Good Samaritan Cushing & Goddard Campus			X	
2143	Harrington Hospital			X	
2131	Haverhill Hospital			X	
2034 2127	Health Alliance Hospital Burbank Campus Leominster Campus	 X		X	
2036	Heywood Mem. Hospital			X	
2231	Hillcrest	X			
2225	Holy Family	X			

PART C. HOSPITAL RESPONSES

1. Summary of Hospitals' Verification Report Responses

DPH #	Hospital Name	'A'	'B'	None	Comments
2145	Holyoke	X			
2157	Hubbard Regional	X			
2082	Jordan	X			
2033	Lahey Hitchcock Clinic			X	
2099	Lawrence General	X			
2038	Lawrence Memorial			X	
2040	Lowell General	X			
2041	Malden			X	
2103	Marlborough		X		
2042	Martha's Vineyard	X			
2148	Mary Lane	X			
2167	Mass. Eye & Ear	X			
2168	Mass. General	X			
2089	Med. Ctr. At Symmes			X	
2077	Memorial Health Care	X			
2058	Melrose-Wakefield			X	
2149	Mercy Hospital		X		
2105	Milford-Whitinsville			X	
2227	Milton Hospital			X	
2022	Morton	X			
2071	Mt. Auburn	X			
2044	Nantucket Cottage			X	
2059	N. E. Baptist			X	
2299	N.E. Medical Center			X	
2075	Newton-Wellesley	X			
2076	Noble			X	
2061	North Adams Regional	X			
2114	Norwood Hospital			X	
2150	Providence			X	
2151	Quincy		X		
2063	Saints Memorial Med. Ctr.	X			
2014	Salem Hospital		X		
2001	Somerville Hospital			X	
2107	South Shore Hospital	X			
2856	Southwood Comm.	X			

PART C. HOSPITAL RESPONSES

1. Summary of Hospitals' Verification Report Responses

DPH #	Hospital Name	'A'	'B'	None	Comments
2011	St. Anne's	X			
2085	St. Elizabeth's		X		
2010	St. Luke's of N.B.	X			
2128	St. Vincent	X			
2100	Sturdy Memorial		X		
2106	Tobey	X			
2171	Transitional Hospital Corp. (JB Thomas)			X	
2084	Boston Medical Center - University Hospital			X	
2841	UMass. Med. Center		X		
2091	Vencor Hospital			X	
2046	Whidden Memorial	X			
2094	Winchester			X	
2181	Wing Memorial			X	

PART C. HOSPITAL RESPONSES
2. Summary of Reported Discrepancies by Category

LIST OF ERROR CATEGORIES

- Type of Admission
- Source of Admission
- Age
- Sex
- Race
- Payer
- Length of Stay
- Disposition
- Number of Diagnosis Codes Used Per Patient
- Month of Discharge
- DRGs
- Number of Procedure Codes Used Per Patient
- Accommodation Charges
- Ancillary Charges
- Top 20 Principle ECODES
- Top 20 DRGs/Rank Order
- Number of Discharges
- Top 20 MDCs/Rank Order

PART C. HOSPITAL RESPONSES

2. Summary of Reported Discrepancies by Category

Hospital	Type of Admission	Source of Admission	Age	Sex	Race	Payer
Faulkner Hospital	X	X	X	X	X	X
Mercy Hospital		X		X	X	
Quincy Hospital	X					
UMASS. Med Ctr.						X
Sturdy Memorial		X				

Hospital	Length of Stay	Disposition	# Diag. Codes	Month of Discharge	DRGs	# Proc. Codes
Faulkner Hospital	X	X	X	X	X	X
Mercy Hospital	X					
St. Elizabeth's Med.					X	

PART C. HOSPITAL RESPONSES

2. Summary of Reported Discrepancies by Category

Hospital	Accommodation Charges	Ancillary Charges	Top 20 ECodes	Top 20 DRGs	# of Discharges	Top 20 MDCs
Faulkner Hospital				X	X	X
Marlborough Hospital	X	X				
Mercy Hospital					X	
Salem Hospital					X	

PART C. HOSPITAL RESPONSES

3. Data Discrepancies and Correction Responses Received from Hospitals

Hospital Index

PART C. HOSPITAL RESPONSES
3. Data Discrepancies and Correction Responses Received from Hospitals

FALMOUTH HOSPITAL

Hospital was not able to verify the AP-DRG Version 8.1 Grouper nor the AP-DRG Version 12.0 Grouper. Currently, only data from the HCFA grouper can be produced. The hospital submitted correspondence indicating that the data was accurate and complete except for discrepancies found in the categories Top 20 DRGs/Rank Order and DRGs, for the reasons stated above.

PART C. HOSPITAL RESPONSES

3. Data Discrepancies and Correction Responses Received from Hospitals

Faulkner Hospital reported discrepancies in the areas of Type of Admission, Source of Admission, Age, Sex, Race, Payer, Length of Stay, Disposition, # Diagnosis Codes per Patient, # of Procedure Codes per Patient, Month of Discharge, DRGs, Top 20 DRGs/Rank Order, # of Discharges, and Top 20 MDCs/Rank Order. The hospital provided the following corrections to its FY1996 verification report.

FAULKNER HOSPITAL		
Category	**DHCFP DATA**	**Hospital Corrections**
Admission Type		
Emergency	5301	5302
Elective	814	815
Total	6138	6140
Admit Source		
Physician Referral	1794	1795
Transfer Acute Hospital	20	21
Total	6138	6140
Age Categories		
Age 21-44	1527	1528
Age 70-74	590	591
Age 75-84	1240	1239
Age = / > 85	852	853
Total	6138	6140
Patient Sex		
Female	3472	3473
Male	2666	2667
Total	6138	6140
Patient Race		
White	5412	5416
Black	363	364
Unknown	148	145
Total	6138	6140

FAULKNER HOSPITAL		
Category	**DHCFP DATA**	**Hospital Corrections**
Payer		
Self Pay	130	126
Workers Comp	22	23
Medicare	2984	2996
Medicaid	293	290
Commercial Insurance	361	404
HMO	1172	1157
Free Care	264	269
Medicaid Managed Care	38	34
BX Managed Care	152	148
PPO&Other Managed Care	82	52
Medicare Managed Care	269	270
Length of Stay		
1 Day	866	876
4 Days	728	729
8 Days	262	263
10 Days	142	141
11-19 Days	446	447
Total	6138	6140
Patient Disposition		
Home	3124	3126
Total	6138	6140
Number of Diagnosis Codes per Patient		
1 Diagnosis	264	261
2 Diagnoses	622	619
3 Diagnoses	733	727
4 Diagnoses	807	809
5 Diagnoses	723	720
6 Diagnoses	690	686
7 Diagnoses	633	639
8 Diagnoses	476	473
9 Diagnoses	1290	1206
Total	6138	6140

FAULKNER HOSPITAL		
Category	**DHCFP DATA**	**Hospital Corrections**
Number of Procedure Codes Per Patient		
One Procedure	2254	2255
Four Procedures	307	309
Five Procedures	149	148
Total Discharges	6138	6140
Discharge Month		
October	558	560
Total Discharges	6138	6140
DRG Listing (AP V8.1)		
DRG 15	35	34
63	2	3
79	98	97
138	66	67
140	59	58
143	100	101
148	61	62
257	70	69
258	61	60
261	18	17
265	9	11
266	2	3
304	8	9
310	14	13
336	32	33
540	88	89
567	7	6
569	21	22
Total	6138	6140
DRG Listing (AP V12)		
DRG 143 (Ranked 12th)	100	101
DRG 79 (Ranked 13th)	98	97
DRG 540 (Ranked 15th)	88	89
DRG 257 (Ranked 18th)	70	69
DRG 138 (Ranked 20th)	66	67
MDCs Listed/Rank Order Including DRGs 468-470		
MDC 5	1262	1263
MDC 1	328	327
MDC 12	79	80
MDC 3	25	26
Total Discharges	6138	6140

FAULKNER HOSPITAL		
Category	**DHCFP DATA**	**Hospital Corrections**
MDCs Listed / Rank Order Excluding DRG 468-470		
MDC 5	1255	1256
MDC 1	318	317
MDC 12	78	79
MDC 98	14	18
Total Discharges	6120	6126

PART C. HOSPITAL RESPONSES

3. Data Discrepancies and Correction Responses Received from Hospitals

Marlborough Hospital reported discrepancies in the areas of Accommodation and Ancillary Charges. The chart below contains the corrections reported by Marlborough Hospital for FY 1996.

MARLBOROUGH HOSPITAL				
Psychiatric	10/1/95-3/31/96	4/1/96–6/30/96	7/1/96-9/30/96	10/1/96-12/31/96
Total Routine Days	2145	893	906	3944
% Routine Days	23.5	20.5	24.6	16.1
Total Charges	881,595	367,023	372,366	1,620,984
Charge per Day	411.00	411.00	411.00	411.00
Detoxification	10/1/95-3/31/96	4/1/96–6/30/96	7/1/96-9/30/96	10/1/96-12/31/96
Total Routine Days	399	272	176	847
% Routine Days	4.4	6.3	4.8	6.7
Total Charges	163,989	111,729	72,336	348,117
Charge per Day	411	411	411	411
Psych Services	10/1/95-3/31/96	4/1/96–6/30/96	7/1/96-9/30/96	10/1/96-12/31/96
Total Discharges	285	216	204	705
Total Charges	379,615	258,341	267,768	905,724
% of Total Charges	5.04	6.24	7.47	6.14

Revised information reported above from Marlborough Hospital includes the following totals:
Psych 114
Detox 116
Psych Services 910

Other notes:

Delete information for psychiatric ICU (204). No unit exists.
Delete information for blood (308). No charge for blood.
Delete information for Psych treatment (900). Information should be reported under Psych Service (910).

PART C. HOSPITAL RESPONSES
3. Data Discrepancies and Correction Responses Received from Hospitals

MERCY HOSPITAL

Mercy Hospital noted slight discrepancies in the areas of Source of Admission, Race, and # of Discharges with the final verification. No further explanation was provided.

PART C. HOSPITAL RESPONSES
3. Data Discrepancies and Correction Responses Received from Hospitals

QUINCY HOSPITAL

Quincy Hospital noted discrepancies in the area of Type of Admission. No further explanation was provided.

PART C. HOSPITAL RESPONSES
3. Data Discrepancies and Correction Responses Received from Hospitals

SALEM HOSPITAL		
Category	**DHCFP**	**Hospital**
Discharge Information		
Number of Discharges	13,466	13,466

Salem Hospital reported discrepancies in the area of Number of Discharges. The Hospital submitted a statement that FY1996 data for Salem Hospital was accurate for the 13,466 discharges submitted on quarterly case mix tapes. There were 3 first quarter discharges missing, however, which were not sent on the quarterly case mix tape due to incomplete data.

PART C. HOSPITAL RESPONSES
3. Data Discrepancies and Correction Responses Received from Hospitals

ST. ELIZABETH'S MEDICAL CENTER

St. Elizabeth's Medical Center found a number of discrepancies with the DRG counts based on the AP Grouper Version 8.1 and expressed concerns with the accuracy of the data payer codes. The text of the letter submitted by the hospital was as follows:

In response to your request to verify the St. Elizabeth's Hospital merged case mix/billing data for FY1996 we have validated the data. We found the general statistical data to be consistent with the internal reports generated by the hospital. The DRG Counts based on the AP Grouper Version 12.0 were accurate; however we found a number of discrepancies with the DRG counts based on the AP Grouper Version 8.1. Specifically, DRG 639 does not appear on the verification report while internal reports indicate 17 discharges, DRGs 743 and 749 show fewer discharges on the verification report than on internal reports, and the verification report shows more discharges than internal reports for the following DRGs: 744, 745, 750 & 751.

We are concerned with the accuracy of the data for the payer codes. When a Payer code is for a managed care plan there are several sources of error. Not all hospitals are able to code Medicare-HMO or Medicaid-HMO correctly, health plans with multiple products are subject to miscoding, and an incorrect code may be reported if a change in patient coverage is determined after discharge. As you are aware, it is essential to recognize in any use of this information that it is not correct to make comparisons with similar data in other St. Elizabeth's Hospital reports or with similar data from other hospitals, without first reconciling all data.

PART C. HOSPITAL RESPONSES

3. Data Discrepancies and Correction Responses Received from Hospitals

Sturdy Memorial Hospital reported discrepancies in the area of Source of Admission. The Hospital provided the following correction to the FY 1996 data. The hospital also indicated that FY1997 data submission will correctly report Admits through the Emergency Room as part of the "Source of Admission" data field.

STURDY MEMORIAL HOSPITAL		
Category	**DHCFP**	**Hospital**
Admission Source		
Emergency Discharges	27	3,384
Emergency % of Total	0.48%	60.7%

PART C. HOSPITAL RESPONSES
3. Data Discrepancies and Correction Responses Received from Hospitals

UMASS. MEDICAL CENTER

UMASS Medical Center reported discrepancies in the area of Payer. The hospital provided the following corrections to its FY1996 verification report.

Category	Hospital
Payer Information	
Medicaid (4)	2,097
HMO (8)	3,226

PART C. HOSPITAL RESPONSES
4. Hospitals with Special Circumstances

Baystate Medical Center provided the DHCFP with information relative to specific discharges contained in the database. As explained in the Technical Documentation, these specific discharges have been "flagged". The purpose of the "flag" is to alert users of the data that these specific discharges are atypical discharges. Following this page are letters and memos the hospital has provided for inclusion in the documentation. These letter and memos explain why the hospital believes the discharges to be atypical.

The discharges that have been "flagged" for Baystate Medical Center are those patients who were discharged from the hospital's licensed long-term care unit. Please note the related physician specific data comments.

Please refer to the documentation that follows for a more detailed discussion of these discharges.

Text of Letter Received from Baystate Medical Center – January 28, 1997

January 28, 1997

Ms. Jane Leonard
Hospital Bureau
Division of Health Care Finance and Policy
Two Boylston Street
Boston, MA 02116-4704

Re: Baystate Medical Center's Long Term Care Unit Discharge Data
Final Six Months FY96

Dear Mrs. Leonard:

In accordance with our agreement, I have enclosed reports which list our Long Term Care Unit discharges for the months of April – June and July – September of FY96 along with the following:

- By DRG
- Number of Days
- RSC Discharge Code
- Routine Charges

It is my understanding that a copy of this report will be issued to anyone requesting the discharge data base.

Sincerely,

Jerry A. Johnson
Director – Payment Systems - BHS

BAYSTATE MEDICAL CENTER			
FY'96 Patients Discharged from Long Term Care Unit – 4/1/96 – 6/30/96 (Reported on RSC Tapes in Accommodation Code 209)			
DRG	**LTCU Days**	**RSC Code**	**Routine Charges**
10	2	20	800.00
10	14	3	5,637.80
			6,437.80
11	6	1	2,400.00
14	48	20	18,037.80
14	11	20	3,792.90
			21,830.70
76	6	20	2,502.10
76	10	20	4,064.30
			6,566.40
77	30	20	10,468.40
82	21	3	8,684.70
82	1	20	400.00
82	2	20	837.80
82	11	1	4,400.00
82	12	20	5,185.70
82	19	20	4,030.60
82	16	6	6,540.60
82	1	20	-
82	7	20	2,490.80
82	1	20	400.00
			32,970.20
127	4	20	1,600.00
127	26	20	11,032.10
			12,632.10
172	1	6	464.30
172	11	4	4,510.20
172	4	1	1,600.00
172	1	6	400.00
172	1	20	400.00
			7,374.50
201	4	20	1,624.60
203	7	3	2,800.00
205	10	20	4,508.50
239	10	6	4,060.30
239	5	6	2,074.50
239	18	6	7,200.00
239	1	20	400.00
			13,734.80

BAYSTATE MEDICAL CENTER			
FY'96 Patients Discharged from Long Term Care Unit – 4/1/96 – 6/30/96 (Reported on RSC Tapes in Accommodation Code 209)			
DRG	**LTCU Days**	**RSC Code**	**Routine Charges**
296	23	5	9,228.50
296	2	20	826.50
296	40	3	16,646.90
			26,701.90
300	12	20	4,800.00
316	4	20	1,600.00
331	10	20	2,461.50
346	2	20	800.00
403	10	20	2,864.30
403	6	20	2,576.60
403	1	20	400.00
			5,840.90
429	44	3	9,626.50
463	14	3	5,600.00
464	1	6	400.00
533	45	20	11,600.00
533	395	20	236,690.70
			248,290.70
537	1	20	400.00
540	23	20	5,970.40
541	5	3	2,037.80
552	1	20	400.00
552	17	20	3,275.70
			3,675.70
553	34	20	2,890.80
559	75	20	36,700.00
578	27	20	11,124.60
708	13	7	1,200.00
708	35	20	12,528.90
708	43	1	17,257.10
708	14	20	3,249.20
708	15	7	1,200.00
708	36	20	8,610.70
708	67	6	22,610.70
708	57	20	18,533.30
			85,189.90
711	13	1	2,610.70
711	8	20	4,495.40
			7,106.10
714	6	7	1,264.30
66	1420		585,829.10

BAYSTATE MEDICAL CENTER			
FY'96 Patients Discharged from Long Term Care Unit – 7/1/96 – 9/30/96 (Reported on RSC Tapes in Accommodation Code 209)			
DRG	**LTCU Days**	**RSC Code**	**Routine Charges**
10	10	20	836.90
19	17	1	5,258.80
24	4	20	1,600.00
76	26	20	6,400.00
82	8	20	3,274.70
82	34	20	14,307.70
82	13	3	5,231.70
82	5	20	400.00
			23,214.10
88	2	20	800.00
88	1	20	400.00
			1,200.00
140	10	1	4,064.50
170	3	20	1,200.00
174	23	20	1,200.00
182	3	6	1,249.10
201	1	20	400.00
202	17	20	6,800.00
203	14	3	5,600.00
203	1	20	639.00
203	3	20	2,593.10
203	2	20	800.00
203	1	20	28.30
203	1	20	400.00
203	12	20	4,800.00
			14,860.40
233	5	20	2,000.00
239	4	20	1,628.30
239	15	20	2,828.30
239	7	20	2,800.00
			7,256.60
243	5	1	2,000.00
283	1	20	400.00
283	53	6	19,566.10
			19,966.10
296	29	1	5,629.20
297	3	1	1,302.90
397	7	20	2,800.00
401	10	20	4,339.70

BAYSTATE MEDICAL CENTER			
FY'96 Patients Discharged from Long Term Care Unit – 7/1/96 – 9/30/96 (Reported on RSC Tapes in Accommodation Code 209)			
DRG	**LTCU Days**	**RSC Code**	**Routine Charges**
403	17	20	3,350.60
403	1	20	400.00
403	29	3	10,633.80
			14,384.40
404	35	20	14,129.00
408	8	6	3,200.00
430	14	1	4,508.30
477	8272	20	1,504,141.50
483	169	20	2,400.00
533	7	20	1,215.30
541	2	6	800.00
541	1	20	464.50
			1,264.50
556	2	20	800.00
556	68	6	22,682.90
			23,482.90
557	18	20	1,410.70
558	71	6	37,677.10
559	30	20	4,000.00
560	214	1	83,238.60
561	16	20	6,414.40
565	365	6	259,868.20
571	1	20	675.20
577	74	1	21,849.30
577	4	20	4,658.20
			26,507.50
578	3	20	1,200.00
578	16	20	4,000.00
			5,200.00
705	8	20	1,200.00
707	72	6	25,200.00
707	25	6	10,000.00
			35,200.00
708	26	1	7,200.00
708	41	20	12,092.20
708	143	6	57,732.10
708	3	20	1,200.00
			78,224.30
783	10	20	4,210.70
66	10,115		2,226,130.90

PART D. CAUTIONARY USE FILE

Part D. Cautionary Use File

This file contains data from those hospitals for which DHCFP does not have four (4) quarters of acceptable data, as specified under Regulation 114.1 CMR 17.00.

The following two hospitals are included in the Cautionary Use File:

Anna Jaques Hospital: Quarters one and two passed the edit program. No submission was received for quarters three and four.

Athol Memorial Hospital: All four (4) quarters failed the edit program due to revenue code errors.

PART E. **HOSPITALS NOT SUBMITTING DATA FOR FY96**

PART E. HOSPITALS NOT SUBMITTING DATA FOR FY96

- Somerville Hospital
- Transitional Hospital

PART F. SUPPLEMENTARY INFORMATION

Supplement I – Type A Errors & Type B Errors
Supplement II – Content of Hospital Verification Report Package
Supplement III – Profile: Hospital, Address, DPH Hospital ID Number
Supplement IV – Mergers, Name Changes, Closures & Conversions

Supplement I – Type A Errors & Type B Errors

TYPE 'A' ERRORS

Record Type
Submitter Name
Receiver ID
DPH Hospital Computer Number
Type of Batch
Period Starting Date
Period Ending Date
Patient Medical Record Number
Patient Sex
Patient Birth Date
Patient Over 100 Years Old
Admission Date
Discharge Date
Primary Source of Payment
Patient Status
Billing Number
Primary Payer Type
Claim Certificate Number
Secondary Payer Type
Revenue Code
Units of Service
Total Charges (by Revenue Code)
Principal Diagnosis Code
Associate Diagnosis Code (I-IV)
Principal Procedure Code
Significant Procedure Codes (I-II)
Number of ANDs
Physical Record Count
Record Type 2x Count
Record Type 3x Count
Record Type 4x Count
Record Type 5x Count
Total Charges: Special Services
Total Charges: Routine Services
Total Charges: Accommodations
Total Charges: Ancillaries
Total Charges: All Charges
Number of Discharges
Submitter Employer Identification Number (EIN)
Number of Providers on Tape
Count of Batches
Batch Counts (11, 22, 33, 99)

Supplement I – Type A Errors & Type B Errors - Continued

TYPE B ERRORS
Patient Race
Type of Admission
Source of Admission
Patient Zip Code
Veteran Status
Patient Social Security Number
Birth Weight – Grams
Employer Zip Code
External Cause of Injury Code
Attending Physician Numbers (Hospital's Internal Number and Board of Registration in Medicine No.)
Operating Physician Numbers (Hospital's Internal Number and Board of Registration in Medicine No.)
Date of Principal Procedure
Date of Significant Procedures (I & II)

Supplement II

Contents of Hospital Verification Report Package

- Seven Page Frequency Distribution Report containing the following data elements:

  - Type of Admission
  - Source of Admission
  - Age
  - Sex
  - Race
  - Payer
  - Length of Stay
  - Disposition Status
  - Number of Diagnosis Codes Used per Patient
  - Month of Discharge
  - *DRGs
  - Number of Procedure Codes Used per Patient
  - Accommodation Charge Information
  - Ancillary Charge Information
  - Top 20 Principle E Codes
  - 20 DRGs With Most Total Discharges
  - MDCs Listed in Rank Order Including DRG (468-470)
  - MDCs Listed in Rank Order Excluding DRG (468-470)

- Verification Response Sheet: Completed by hospitals after data verification and returned to the Division of Health Care Finance and Policy.

NOTE: Hospital discharges were grouped with both All-Patient-DRG Groupers, Version 8.1 and Version 12.0. A discharge report showing counts by DRG for both groupers was supplied to hospitals for verification. Any discrepancies are documented in Part C.

Supplement III. Profile: Hospital, Address, DPH ID Number

Addison Gilbert Hospital
298 Washington Street
Gloucester, MA 01930
DP H ID #: 2016

Anna Jaques Hospital
25 Highland Avenue
Newburyport, MA 01950
DPH ID #: 2006

Athol Memorial Center
2033 Main Street
Athol, MA 01331
DPH ID #: 2226

AtlantiCare Medical Center
212 Boston Road
Lynn, MA 01904
DPH ID #: 2073

Baystate Medical Center, Inc.
759 Chestnut Street
Springfield, MA 01199
DPH ID #: 2339

Berkshire Medical Center
725 North Street
Pittsfield, MA 01201
DPH ID #: 2313

Beth Israel Hospital
330 Brookline Avenue
Boston, MA 02215
DPH ID #: 2069

Beverly Hospital Corporation
Herrick Street
Beverly, MA 01915
DPH ID #: 2007

Boston City Hospital
818 Harrison Avenue
Boston, MA 02118
DPH ID #: 2307

Boston Regional Medical Center
5 Woodland Road
Stoneham, MA 02180
DPH ID #: 2060

Supplement III – Profile: Hospital, Address, DPH Number

Brigham & Women's Hospital
10 Vining Street
Boston, MA 02115
DPH ID #: 2921

Brockton Hospital
680 Centre Street
Brockton, MA 02402
DPH ID #: 2118

Cambridge Hospital
1493 Cambridge Street
Cambridge, MA 02139
DPH ID #: 2108

Cape Cod Hospital
27 Park Street
Hyannis, MA 02601
DPH ID #: 2135

Carney Hospital
2100 Dorchester Avenue
Boston, MA 02124
DPH ID #: 2003

Charlton Memorial Hospital
Highland Avenue @ New Boston Road
Fall River, MA 02720
DPH ID #: 2337

Children's Hospital
300 Longwood Avenue
Boston, MA 02115
DPH ID #: 2139

Clinton Hospital
201 Highland Street
Clinton, MA 01510
DPH ID #: 2126

Columbia MetroWest Medical Center, Inc.
280 Irving Street
Framingham, MA 01702
DPH ID #: 2020

Cooley Dickinson Hospital, Inc.
30 Locust Street
Northhampton, MA 01061-5001
DPH ID #: 2155

Supplement III – Profile: Hospital, Address, DPH Number

Dana Farber Cancer Institute
44 Binney Street
Boston, MA 02115-6084
DPH ID #: 2335

Deaconess Hospital
185 Pilgrim Road
Boston, MA 02215
DPH ID #: 2092

Deaconess-Glover Hospital
148 Chestnut Street
Needham, MA 02192
DPH ID #: 2054

Deaconess-Nashoba Hospital
200 Groton Road
Ayer, MA 01432
DPH ID #: 2298

Deaconess-Waltham Hospital
Hope Avenue
Waltham, MA 02254-9116
DPH ID #: 2067

Emerson Hospital
P.O. Box 9120
Concord, MA 01742-9120
DPH ID #: 2018

Fairview Hospital
29 Lewis Avenue
Great Barrington, MA 01230
DPH ID #: 2052

Falmouth Hospital
100 Ter Heun Avenue
Falmouth, MA 02540
DPH ID #: 2289

Faulkner Hospital
1153 Centre Street
Boston, MA 02130
DPH ID #: 2048

Franklin Medical Center
164 High Street
Greenfield, MA 01301 - DPH ID #: 2120

Supplement III – Profile: Hospital, Address, DPH Number

Good Samaritan Medical Center - Cardinal Cushing & Goddard Campus
909 Summer Street
Stoughton, MA 02072
DPH ID #: 2311 (Cushing) #2101 (Goddard)

Harrington Memorial Hospital
100 South Street
Southbridge, MA 01550-8002
DPH ID #: 2143

Haverhill Municipal Hale Hospital
140 Lincoln Avenue
Haverhill, MA 01830
DPH ID #: 2131

Health Alliance Hospital, Inc. – Burbank Campus & Leominster Campus
275 Nichols Road
Fitchburg, MA 01420
DPH ID #: 2034 (Burbank), #2127 (Leominster)

Heywood Memorial Hospital
242 Green Street
Gardner, MA 01440
DPH ID #: 2036

Hillcrest Hospital
165 Tor Court
Pittsfield, MA 01201
DPH ID #: 2231

Holy Family Hospital
70 East Street
Methuen, MA 01844
DPH ID #: 2225

Holyoke Hospital, Inc.
575 Beech Street
Holyoke, MA 01040
DPH ID #: 2145

Hubbard Regional Hospital
340 Thompson Road
Webster, MA 01570
DPH ID #: 2157

Supplement III – Profile: Hospital, Address, DPH Number

Jordan Hospital, Inc.
275 Sandwich Street
Plymouth, MA 02360
DPH ID #: 2082

Lahey Hitchcock Clinic
41 Mall Road
Burlington, MA 01805
DPH ID #: 2033

Lawrence General Hospital
One General Street – P.O. Box 189
Lawrence, MA 01842-0389
DPH ID #: 2099

Lawrence Memorial Hospital
170 Governors Avenue
Medford, MA 02155
DPH ID #: 2038

Lowell General Hospital
295 Varnum Avenue
Lowell, MA 01854
DPH ID #: 2040

Malden Hospital
100 Hospital Road
Malden, MA 02148
DPH ID #: 2041

Marlborough Hospital
57 Union Street
Marlborough, MA 01752
DPH ID #: 2103

Martha's Vineyard Hospital
P.O. Box 1477
Oak Bluffs, MA 02557
DPH ID #: 2042

Mary Lane Hospital
85 South Street
Ware, MA 01082
DPH ID #: 2148

Supplement III – Profile: Hospital, Address, DPH Number

Massachusetts Eye & Ear Infirmary
243 Charles Street
Boston, MA 02114
DPH ID #: 2167

Massachusetts General Hospital
55 Fruit Street
Boston, MA 02114
DPH ID #: 2168

Medical Center at Symmes
39 Hospital Road
Arlington, MA 02174
DPH ID #: 2089

Melrose-Wakefield Hospital
585 Lebanon Street
Melrose, MA 02176
DPH ID #: 2058

Mercy Hospital
271 Carew Street
Springfield, MA 01102
DPH ID #: 2149

Milford-Whitinsville Hospital
14 Prospect Street
Milford, MA 01757
DPH ID #: 2105

Milton Medical Center
92 Highland Street
Milton, MA 02186
DPH ID #: 2227

Morton Hospital & Medical Center
88 Washington Street
Taunton, MA 02780
DPH ID #: 2022

Mount Auburn Hospital
330 Mt. Auburn Street
Cambridge, MA 02138
DPH ID #: 2071

Nantucket Cottage Hospital
57 Prospect Street
Nantucket, MA 02554 - DPH ID #: 2044

Supplement III – Profile: Hospital, Address, DPH Number

New England Baptist Hospital
125 Parker Hill Avenue
Boston, MA 02120
DPH ID #: 2059

New England Medical Center
750 Washington Street
Boston, MA 02111
DPH ID #: 2299

Newton-Wellesley Hospital
2014 Washington Street
Newton, MA 02162
DPH ID #: 2075

Noble Hospital, Inc.
115 West Silver Street
Westfield, MA 01086-1634
DPH ID #: 2076

North Adams Regional Hospital
Hospital Avenue
North Adams, MA 01247
DPH ID #: 2061

Norwood Hospital
800 Washington Street
Norwood, MA 02062
DPH ID #: 2114

Providence Hospital
1233 Main Street
Holyoke, MA 01040
DPH ID #: 2150

Quincy Hospital
114 Whitwell Street
Quincy, MA 02169
DPH ID #: 2151

Saints Memorial Medical Center
Hospital Drive
Lowell, MA 01852
DPH ID #: 2063

Salem Hospital
81 Highland Avenue
Salem, MA 01970
DPH ID #: 2014

Supplement III – Profile: Hospital, Address, DPH Number

Somerville Hospital
230 Highland Avenue
Somerville, MA 02143
DPH ID #: 2001

South Shore Hospital, Inc.
55 Fogg Road
South Weymouth, MA 02190
DPH ID #: 2107

Southwood Community Hospital
111 Dedham Street
Norfolk, MA 02056
DPH ID #: 2856

St. Anne's Hospital
795 Middle Street
Fall River, MA 02721
DPH ID #: 2011

St. Elizabeth's Hospital
736 Cambridge Street
Boston, MA 02135
DPH ID #: 2085

St. Luke's Hospital of New Bedford
101 Page Street
New Bedford, MA
DPH ID #: 2010

St. Vincent Hospital, Inc.
25 Winthrop Street
Worcester, MA 01604
DPH ID #: 2128

Sturdy Memorial Hospital
211 Park Avenue
Attleboro, MA 02703-0649
DPH ID #: 2100

Tobey Hospital
43 High Street
Wareham, MA 02571
DPH ID #: 2106

Supplement III – Profile: Hospital, Address, DPH Number

Transitional Hospital Corporation
(formerly JB Thomas Hospital)
15 King Street
Peabody, MA 01960
DPH ID #: 2171

University Hospital
88 East Newton Street
Boston, MA 02118
DPH ID #: 2084

University of Massachusetts Medical Center
55 Lake Avenue
North Worcester, MA 01655
DPH ID #: 2841

Vencor Hospital - (formerly Hahnemann Hospital)
1515 Commonwealth Avenue
Brighton, MA 02135
DPH ID #: 2091

Whidden Memorial Hospital
103 Garland Street
Everett, MA 02149-5095
DPH ID #: 2046

Winchester Hospital
41 Highland Avenue
Winchester, MA 01890
DPH ID #: 2094

Wing Memorial Hospital and Medical Center
40 Wright Street
Palmer, MA 01069-1187
DPH ID #: 2181

Supplement IV – Mergers, Name Changes, Closures & Conversions

MERGERS		
Original Entities	**New Corporation**	**Effective Date**
Boston Hospital for Women Peter Bent Brigham Robert Breck Brigham	Brigham & Women's Hospital	Early 1980's
Beth Israel Hospital Deaconess Hospital Mt. Auburn Hospital	CareGroup Medical System	October, 1996
Cardinal Cushing General Hospital – Brockton Goddard Memorial Hospital - Stoughton	Good Samaritan Medical Center	October, 1993
Burbank Hospital – Fitchburg Leominster Hospital	Health Alliance, Inc.	1993
Holden District Hospital Worcester Hahnemann Hospital Worcester Memorial Hospital	Medical Center of Central Massachusetts	1990
Leonard Morse Hospital – Natick Framingham Union Hospital	MetroWest Medical Center	January 1992
Norwood Community Hospital Southwood Hospital	Neponset Valley Health Systems	1992
Salem Hospital North Shore Children's Hospital	North Shore Medical Center	1990
St. John's Hospital St. Joseph's Hospital	Saints Memorial Medical Center	October 1, 1993

Supplement IV – Mergers, Name Changes, Closures & Conversions

NAME CHANGES		
Original Name	**New Name**	**Comments**
Doctor's Hospital	AdCare	No longer acute care
Lynn Hospital	AtlantiCare Hospital	
Boston City/University Hospital	Boston Medical Center	
New England Memorial Hospital	Boston Regional Med. Ctr.	
Glover Memorial Hospital	Deaconess-Glover	
Nashoba Community Hospital	Deaconess-Nashoba Hospital	
Waltham/Weston Hospital	Deaconess-Waltham Hospital	
Central Hospital	Heritage Hospital	No longer acute care
Bon Secours Hospital	Holy Family Hospital	
Lahey Clinic Hospital, Inc.	Lahey Hitchcock Clinic	
The Med. Ctr. Of Cen. MA, Inc.	Memorial Hospital, Inc.	
MetroWest Medical Center, Inc.	Columbia MetroWest Med. Ctr.	
Quincy City Hospital	Quincy Hospital	
JB Thomas Hospital	Transitional Hospitals Corporation	Long term acute hospital
Hahnemann Hospital	Vencor, Inc.	Long term acute hospital

Supplement IV – Mergers, Name Changes, Closures & Conversions

CLOSURES AND CONVERSIONS	
Amesbury Hospital	Closed
Brookline Hospital	Closed
Fairlawn Hospital	Converted to Non-Acute Hospital
Farren Memorial Hospital	Closed
HCHP Hospital	Closed
Heritage Hospital	Converted to Non-Acute Hospital
Hunt Memorial Hospital	Closed
Ludlow Hospital	Closed
Mary Alley Hospital	Closed
Massachusetts Osteopathic Hospital	Closed
Parkwood Hospital	Closed
Sancta Maria Hospital	Converted to Nursing Home
St. Luke's Hospital in Middleborough	Closed
St. Margaret's Hospital for Women	Closed
Winthrop Hospital	Closed
Worcester City Hospital	Closed

Note: Subsequent to closure some hospitals may have re-opened for uses other than an acute hospital, e.g., health care center, rehabilitation hospital.

SECTION II. TECHNICAL DOCUMENTATION

PART A. CALCULATED FIELD DOCUMENTATION

1. Age Calculation
2. Newborn Age
3. Preoperative Days
4. Length of Stay (LOS) Routine
5. Length of Stay (LOS) Calculation
6. Unique Health Information Sequence Number (UHIN)
7. Days Between Stays

SECTION II. TECHNICAL DOCUMENTATION

For your information, we have included a page of physical specifications for the data file(s) at the beginning of this manual. Please see the Tape Specifications section.

Technical Documentation included in this section of the manual is as follows:

PART A. CALCULATED FIELD DOCUMENTATION
PART B. DATA FILE CONTENTS SUMMARY
PART C. REVENUE CODE MAPPINGS
PART D. ALPHABETICAL PAYOR TYPE LIST

Physical specifications include items such as tape density and block size, and a description of the file structure.

Record layout gives a description of each field along with the starting and ending positions.

Calculated fields are age, newborn age in weeks, preoperative days, length of stay, UHIN Sequence Number and days between stays. Each description has three parts:

First is a description of any conventions. For example, how are missing values used?

Second is a brief description of how the fields are calculated. This description leaves out some of the detail. However, with the first section it gives a good working knowledge of the field.

Third is a detailed description of how the calculation is performed. This description follows the code very closely.

PART A. CALCULATED FIELD DOCUMENTATION

1. AGE CALCULATION

A) Conventions:

1) Age is calculated if the date of birth and admission date are valid. If either one is invalid, then '999' is placed in this field.

All dates of birth that are greater than the admission date are assumed to be in the previous century, with the exception of newborns. Because some newborns are assigned a day of admission previous to their date of birth it is practical to check the MDC before calculating age.

Any hundred years older flag that would result in a patient being more than 124 is ignored.

Discretion should be used whenever a questionable age assignment is noted. Researchers are advised to consider other data elements (i.e., if the admission type is newborn) in their analysis of this field.

B) Brief Description:

Age is calculated by subtracting the date of birth from the admission date. A 100-years-old flag is used for patients that are over 100 years old. If a patient has been assigned to a newborn DRG than they are assigned an age of zero.

C) Detailed Description:

1) If the patient has already had a birthday for the year, their age is calculated by subtracting the year of birth from the year of admission. If not, then the patient's age is the year of admission minus the year of birth, minus one.
2) If the result is negative (date of birth is assumed to be in the previous century) then 100 is added to the age.
3) If the age is 99 (the admission date is a year before the admission date or less) and the MDC is 15 (the patient is a newborn), then the age is assumed to be zero.
4) If the century code is equal to 1 and the age calculated so far is less than 25 then 100 is added to the age.

PART A. CALCULATED FIELD DOCUMENTATION
NEWBORN AGE

A) Conventions:

1) Newborn age is calculated to the nearest week (the remainder is dropped). Thus, newborns zero to six days old are considered to be zero weeks old.
2) Discharges that are not newborns have '99' in this field.

B) Brief Description

Discharges less than one year old have their age calculated by subtracting the date of birth from the admission date. This gives the patient's age in days. This number is divided by seven, the remainder is dropped.

C) Detailed Description

1) If a patient is 1 year old or older, the age in weeks is set to '99'.
2) If a patient is less than 1 year old then:
   a. Patients age is calculated in days using the Length of Stay (LOS) routine, described herein.
   b. Number of days in step 'a' above is divided by seven, and the remainder is dropped.

PART A. CALCULATED FIELD DOCUMENTATION
PREOPERATIVE DAYS

A) Conventions:

1. A procedure performed on the day of admission will have preoperative days set to zero. One performed on the day after admission will have preoperative days set to 1, etc.
2. Preoperative days are set to 0000 when preoperative days are not applicable.

B) Brief Description

Preoperative days are calculated by subtracting the patient's admission date from the surgery date.

C) Detailed Description

1. If there is no procedure date, or if the procedure date or admission date is invalid, then preoperative days are set to 0000.
2. Otherwise preoperative days are calculated using the Length of Stay (LOS) Routine, as described herein.

PART A. CALCULATED FIELD DOCUMENTATION
LENGTH OF STAY (LOS) ROUTINE

A) Conventions

1. None

B) Brief Description

1. Length of Stay (LOS) is calculated by subtracting the first date from the second date.
2. Days are accumulated a year at a time, until both dates are in the same year. At this point the algorithm may have counted beyond the ending date or may still fall short of it. The difference is added (or subtracted) to give the correct LOS.

C) Detail Description

1. Convert the first date to a Julian date, but in the same year as the second date. Again, the algorithm will count the number of days, a year at a time, between the two dates. This total is adjusted to the final value by adding the difference between the two dates, but the difference is calculated in the year of the second date. This becomes important when February 29 lies between the two dates.

2. The second date is converted to a Julian date.
-- For example:
If the two dates are 03/10/83 and 03/01/84, then 03/10/83 becomes 84070 and 03/01/84 becomes 84061.
3. Initialize LOS to zero
Counting from the first date to the second date in years, add the correct number of days for each year until the year of the second date has been reached.

---- LOS = 0 then,
LOS = 0 + 366 (number of days between 03/10/83 and 03/01/84).

4. Using the last three digits of the Julian date, subtract the first date from the second date and add the result to the LOS.

---- 061 – 170 = -9 (the negative number indicates that the anniversary of the first date is after the second date).

LOS = 366 + -9 = 375

PART A. CALCULATED FIELD DOCUMENTATION
LENGTH OF STAY (LOS) CALCULATION

A) Conventions

1. Same day discharges have a length of stay of 1 day.

B) Brief Description

1. Length of Stay (LOS) is calculated by subtracting the admission date from the Discharge Date (and then subtracting LOA days). If the result is zero (for same day discharges), then the value is changed to one.

C) Detail Description

1. The length of stay is calculated using the LOS routine.
2. If the value is zero then it is changed to a 1.

PART A. CALCULATED FIELD DOCUMENTATION

UHIN SEQUENCE NUMBER

A) Conventions

1. If the Unique Health Information Number (UHIN) is undefined (not reported, unknown or invalid), the sequence number is set to zero.

B) Brief Description

1. The Sequence Number is calculated using both the accepted and cautionary use files sorted together by UHIN, admission and discharge date. The sequence number is then calculated by incrementing a counter for each UHIN's set of admissions.

C) Detailed Description

1. UHIN Sequence Number is calculated by sorting the entire database (both accepted and cautionary use files) by UHIN, admission date, then discharge date (both dates are sorted in ascending order).
2. If the UHIN is undefined (not reported, unknown or invalid), the sequence number is set to zero.
3. If the UHIN is valid, the sequence number is calculated by incrementing a counter from 1 to nnnn, where a sequence number of 1 indicates the first admission for the UHIN, and nnnn indicates the last admission for the UHIN.
4. If a UHIN has 2 admissions on the SAME day, the discharge date is used as the secondary sort key.
5. Because the sequence number is calculated using the entire database rather than calculating the sequence number on the accepted file and then SEPARATELY calculating the sequence number on the cautionary use file, it may be necessary to read BOTH the accepted and cautionary use files in order to get all of a patient's re-admissions. (i.e., a patient is admitted to Somerville Hospital then transferred to Beth Israel. The sequence number is 1 for the first admission at Somerville Hospital and numbered 2 for the second admission at Beth Israel. However, Beth Israel is on the accepted file while Somerville Hospital is on the cautionary file.)

PART A. CALCULATED FIELD DOCUMENTATION
DAYS BETWEEN STAYS

A) Conventions

1. If the UHIN is undefined (not reported unknown or invalid), the days between stays is set to zero.
2. If the previous discharge date is greater than the current admission date or the previous discharge date or current admission date is invalid (i.e., 03/63/95), DAYS BETWEEN STAYS is set to '9999' to indicate an error.

B) Brief Description

The Days Between Stays is calculated using both accepted and cautionary use files sorted together by UHIN, admission date, then discharge date. For UHINs with two or more admissions, the calculation subtracts the previous discharge date from the current admission date to find the Days Between Stays.

C) Detailed Description

1. The Days Between Stays data element is calculated by sorting the entire database (both accepted and cautionary use files) by UHIN, admission date, then discharge date (both dates are sorted in ascending order).
2. If the UHIN is undefined (not reported, unknown or invalid), the Days Between Stays is set to zero.
3. If the UHIN is valid and this is the first occurrence of the UHIN, the discharge date is saved (in the event there is another occurrence of the UHIN). In this case, the Days Between Stays is set to zero.
4. If a second occurrence of the UHIN is found, days between stays is calculated by finding the number of days between the previous discharge and the current admission date with the following caveats:
    a. if the previous discharge date is greater than the current admission date or the previous discharge date or current admission date is invalid (i.e., 03/63/95), DAYS BETWEEN STAYS is set to '9999' to indicate an error.
5. Step 4 is repeated, for all subsequent re-admissions, until the UHIN changes.
6. The routine, used to calculate Length of Stay, is also used to calculate days between stays.
7. If the discharge date on the first admission is the same as the admission date on the first RE-ADMISSION, days between stays is set to zero. This situation occurs for transfer patients as well as women admitted into the hospital with false labor.

PART B. DATA FILE CONTENTS SUMMARY

PART B. DATA FILE CONTENTS SUMMARY

This database is divided into 2 standard labeled IBM files for the following reason. Some of the hospitals have not been able to submit four quarters of acceptable data in time for the release. In an attempt to make it difficult to mistakenly treat hospitals with incomplete data like the other hospitals, we have separated these hospitals into two files. The first file contains hospitals whose data was accepted by the Commission. The second file contains hospitals whose data did not meet regulatory standards.

The first file contains municipal hospitals with a fiscal year beginning on July 1, and non-municipal hospitals which have a fiscal year beginning on October 1. All hospitals on this file contain one years worth of data.

The second file contains data for the four hospitals with unacceptable data. These are:

1) Athol Memorial Hospital:

Data submitted for all four quarters did not pass the edit program.

2) Anna Jaques Hospital:

Data submitted for quarters one and two passed the edit program. Quarters three and four were not submitted.

PART C. REVENUE CODE MAPPINGS

REVENUE CODE MAPPINGS
ANCILLARY SERVICES

Effective January 1, 1994, amendments to Regulation 114.1 CMR 17.00 were adopted which require use of the UB-92 revenue codes. As a result, all ancillary service revenue code subcategories are now mapped to the UB-92 major classification heading for that revenue center. For example, codes 251-259 map to code 250.

For periods ending December 31, 1993 and earlier, the following tables identify how the UB-92 revenue codes are mapped in the case mix database.

250 PHARMACY:
250 Pharmacy
251 General
252 Generic Drugs
253 Non-Generic Drugs
254 Blood Plasma
255 Blood-Other Components
256 Experimental Drugs
257 Non-Prescription
258 IV Solution
259 Other

260 IV THERAPY

270 MEDICAL / SURGICAL SUPPLIES:
270 General Medical Surgical Supplies
272 Sterile Supply
273 Take Home Supply
274 Prosthetic Devices
275 Pace Maker
277 Oxygen-Take Home
278 Other Implants
279 Other Devices
290 Durable Medical Equipment
291 Rental DME
292 Purchase DME
299 Other Equipment

300 LABORATORY:
300 General Laboratory
301 Chemistry
302 Immunology
303 Renal Patient (Home)
304 Non-Routine Dialysis
305 Hematology
306 Bacteriology & Microbiology
307 Urology
309 Other Lab
310 Lab-Pathological
311 Cytology
312 Histology
314 Biopsy
319 Other Path. Lab
971 Lab. Professional Fees

320 DIAGNOSITC RADIOLOGY:
320 General
321 Angiocardiograph
324 Chest X-Ray
329 Other
400/409 Other Imaging Services
401 Mammography
402 Ultrasound
972 Diagnostic Radiology Professional Fees

THERAPEUTIC RADIOLOGY:
330 General
331 Chemotherapy-Inject
332 Chemotherapy-Oral
333 Radiation Therapy
335 Chemotherapy-IV
339 Other
973 Therapeutic Radiology Professional Fees

NUCLEAR MEDICINE:
340 General
341 Diagnostic
342 Therapeutic
349 Other Nuclear Medicine
974 Nuc Med Professional Fees

CAT SCAN:
350 General
351 Head Scan
352 Body Scan
359 Other

OPERATING ROOM:
360 General
361 Minor Surgery
362 Organ Transplant (except Kidney)
367 Kidney Transplant
369 Other
975 Operating Room Professional Fees

ANESTHESIOLOGY:
370 General
374 Acupuncture
379 Other
963 Anesthesiology Professional Fees (MD)
964 Anesthesiology Professional Fees (RN)

BLOOD:
380 General
381 Packed Red Cells
382 Whole Blood
389 Other

BLOOD STORAGE, PROCESSING AND ADMINISTATION:
390 General
*** 391 Blood/Administration
399 Other

RESPIRATORY THERAPY:
410 General
412 Inhalation Services
413 Hyperbaric Oxygen Therapy
419 Other
976 Respiratory Therapy Professional Fees

PHYSICAL THERAPY:
420 General
429 Other
977 Physical Therapy Professional Fees

OCCUPATIONAL THERAPY:
430 General
439 Other
978 Occupational Therapy Professional Fees

SPEECH THERAPY:
440 General
449 Other
979 Speech Therapy Professional Fees

EMERGENCY ROOM:
450 General
459 Other
981 Emergency Room Professional Fees

PULMONARY FUNCTION:
460 General
469 Other

AUDIOLOGY:
470 General
471 Diagnostic
472 Treatment
479 Other

CARDIAC CATHETERIZATION:
480 General
481 Cardiac Catheterization Lab
482 Stress Test
489 Other

AMBULANCE:
540 General
541 Supplies
542 Medical Treatment
543 Heart Mobile
544 Oxygen
545 Air Ambulance
549 Other

RECOVERY ROOM:
710 General
719 Other

LABOR AND DELIVERY:
720 General
721 Labor
722 Delivery
723 Circumcision
724 Birthing Center
729 Other

EKG/ECG:
730 General
731 Holter Monitor
739 Other
985 EKG Professional Fees

EEG:
740 General
749 Other
922 Electromyogram
986 EEG Professional Fees

RENAL DIALYSIS:
800 General
801 Inpatient Hemodialysis
802 Inpatient Peritoneal (non CAPD)
805 Training Hemodialysis
806 Training Peritoneal Dialysis
807 Under Arrangement in house
808 Continuous Ambulatory Peritoneal Dialysis Training
809 In Unit Lab-Routine
810 Self Care Dialysis Unit
811 Hemodialysis – self care
812 Peritoneal Dialysis – self care
813 Under Arrangement in house – self care
814 In Unit Lab – self care
880 Miscellaneous Dialysis
881 Ultrafiltration

KIDNEY ACQUISITION:
860 General
861 Monozygotic Sibling
862 Dizygotic Sibling
863 Genetic Parent
864 Child
865 Non-relating living
866 Cadaver

PSYCHOLOGY AND PSYCHIATRY:
900 General
901 Electroshock Treatment
902 Milieu Therapy
903 Play Therapy
909 Other
910 Psychology / Psychiatry Services
911 Rehabilitation
912 Day Care
913 Night Care
914 Individual Therapy
915 Group Therapy
916 Family Therapy
917 Bio Feedback
918 Testing
919 Other
961 Psychiatric Professional Fees

OTHER:
280 Oncology
*** 490 Ambulatory Surgery
*** 499 Other Ambulatory Surgery
*** 510 Clinic
*** 511 Chronic Pain Center
*** 512 Dental Clinic
*** 519 Other Clinic
530 General Osteopathic Services
531 Osteopathic Therapy
539 Other Osteopathic Therapy
560 Medical Social Services
700 Cast Room - General
709 Cast Room - Other
750/759 Gastro-Intestinal Services
890/899 Other Donor Bank
891 Bone Donor
892 Organ Donor
893 Skin Donor
920/929 Other Diagnostic Services
921 Peripheral Vascular Lab
940/949 Other Therapeutic Services
941 Recreational Therapy
942 Educational Therapy
943 Cardiac Rehabilitation
960 General Professional Fees
962 Ophthalmology
969 Other Professional Therapy
984 Medical Social Services
987 Hospital Visit
988 Consultation
989 Private Duty Nurse

*** Please note:
These revenue centers should be reported only for those patients admitted to the hospital subsequent to surgical day care.

The following ancillary revenue codes (and their related subcategories) are not valid pursuant to Regulation 114.1 CMR 17.00 and are not used for reporting charges on the case mix data tapes. These revenue codes relate either to outpatient services or to non-patient care.

500 Outpatient Services
520 Free Standing Clinic
530 Osteopathic Services
550 Skilled Nursing
570 Home Health Aid
580 Other Visits (Home Health)
590 Units of Service (Home Health)
600 Oxygen (Home Health)
640 Home IV Therapy Services
660 Respite Care (HHA only)
820 Hemodialysis – Outpatient or home
830 Peritoneal Dialysis – Outpatient or home
840 Continuous Ambulatory Peritoneal Dialysis – Outpatient or home
850 Continuous Cycling Peritoneal Dialysis – Outpatient or home
860 Reserved for Dialysis (National Assignment)
870 Reserved for Dialysis (National Assignment)
990 Patient Convenience Items

PART D. ALPHABETICAL PAYOR TYPE LIST

ALPHABETICAL PAYOR TYPE LIST

Source of Payment Alphabetically Listed Within Payer Type
Revised June 27, 1994

PAYOR TYPE		SOURCE OF PAYMENT	
Code	**Abbreviation**	**Code**	**Definition**
6	BCBS	142	Blue Cross Indemnity
6	BCBS	154	Other BCBS (Not listed elsewhere)
6	BCBS	156	Out-Of-State BCBS
C	BCBS	2	Bay State Health Care
C	BCBS	11	Blue Care Elect
C	BCBS	21	Commonwealth PPO
C	BCBS	81	HMO Blue
C	BCBS	3	Network Blue (Point of Service)
C	BCBS-MC	155	Other Blue Cross Managed Care (not listed elsewhere)
6	BCBS*	136	BCBS Medex
7	COM	51	Aetna Life Insurance
7	COM	52	Boston Mutual Insurance
7	COM	53	Connecticut General Insurance
7	COM	54	Continental Assurance Insurance
7	COM	89	Great West/NE Care
7	COM	55	Guardian Life Insurance
7	COM	56	Hartford L&A Insurance
7	COM	57	John Hancock Life Insurance
7	COM	58	Liberty Life Insurance
7	COM	85	Liberty Mutual
7	COM	59	Lincoln National Insurance
7	COM	60	Mass Mutual Life Insurance
7	COM	61	Metropolitan Life Insurance
7	COM	62	Mutual of Omaha Insurance
7	COM	91	New England Benefits
7	COM	63	New England Mutual Insurance
7	COM	64	New York Life Insurance
7	COM	65	Paul Revere Life Insurance
7	COM	92	Private Health Care System
7	COM	66	Prudential Insurance
7	COM	101	Quarto Claims
7	COM	67	State Mutual Life Insurance
7	COM	94	Time Insurance Co
7	COM	100	Transport Life Insurance
7	COM	68	Traveler's Insurance
7	COM	70	Union Labor Life Insurance
7	COM	102	Wausau Insurance Company

PAYOR TYPE		SOURCE OF PAYMENT	
Code	Abbreviation	Code	Definition
D	COM-MC	29	CIGNA Health Plan
D	COM-MC	87	CIGNA PPO
D	COM-MC	82	John Hancock Preferred
D	COM-MC	76	Mass Mutual
D	COM-MC	15	Met-Elect
D	COM-MC	16	Met-Life Point of Service
D	COM-MC	41	MetLife Healthcare Network of Mass
D	COM-MC	78	Phoenix Preferred PPO
D	COM-MC	18	Pru Network PPO
D	COM-MC	26	PruCare
D	COM-MC	17	PruCare Plus (Point of Service)
D	COM-MC	75	PRUCARE of Mass
D	COM-MC	32	Travelers Preferred
7	COM*	137	AARP/Prudential
7	COM*	138	Banker's Life and Casualty Insurance
7	COM*	139	Bankers Multiple Line
7	COM*	140	Combined Insurance Company of America
7	COM*	141	Other Medigap (not listed elsewhere)
7	COM**	147	Other Commercial (not listed elsewhere)
9	FC	143	Free Care
5	GOV	151	CHAMPUS
5	GOV	144	Other Government
5	GOV	120	Out-of-State Medicaid
8	HMO	44	(Capital Area) Community Health Plan
8	HMO	6	Central Mass. Health Care
8	HMO	4	Fallon Community Health Plan
8	HMO	1	Harvard Community Health Plan
8	HMO	20	HCHP of New England (formerly RIGHA)
8	HMO	24	Health New England, Inc.
8	HMO	45	Health Source New Hampshire
8	HMO	46	HMO Rhode Island
8	HMO	40	Kaiser Foundation
8	HMO	19	Matthew Thornton
8	HMO	43	MEDTAC
8	HMO	47	Neighborhood Health Plan
8	HMO	5	Ocean State Physician Plan
8	HMO*	148	Other HMO (not listed elsewhere)
8	HMO	8	Pilgrim Health Care
8	HMO	25	Pioneer Plan
8	HMO	7	Tufts Associated Health Plan
8	HMO	9	United Health Care of New England (Ocean State)
8	HMO	48	US Healthcare
4	MCD	103	Medicaid

PAYOR TYPE		SOURCE OF PAYMENT	
Code	Abbreviation	Code	Definition
B	MCD-MC	105	Medicaid Managed Care-Bay State
B	MCD-MC	107	Medicaid Managed Care-Capital Area Community Health Plan
B	MCD-MC	106	Medicaid Managed Care-Central Mass Health Care
B	MCD-MC	108	Medicaid Managed Care-Fallon Community Health Plan
B	MCD-MC	109	Medicaid Managed Care-Harvard Community Health Plan
B	MCD-MC	110	Medicaid Managed Care-Health New England
B	MCD-MC	111	Medicaid Managed Care-HMO Blue
B	MCD-MC	112	Medicaid Managed Care-Kaiser Foundation Plan
B	MCD-MC	113	Medicaid Managed Care-Neighborhood Health Plan
B	MCD-MC	114	Medicaid Managed Care-Ocean State Physician's Plan
B	MCD-MC	119	Medicaid Managed Care-Other (not listed elsewhere)
B	MCD-MC	115	Medicaid Managed Care-Pilgrim Health Care
B	MCD-MC	104	Medicaid Managed Care-Primary Care Clinician (PCC)
B	MCD-MC	116	Medicaid Managed Care-Tufts Associated Health Plan
B	MCD-MC	117	Medicaid Managed Care-US Healthcare
B	MCD-MC	118	Medicaid-Mental Health Management of America (MHMA)
3	MCR	121	Medicare
3	MCR	135	Out-of-State Medicare
F	MCR-MC	122	Medicare HMO-Bay State Health for Seniors
F	MCR-MC	124	Medicare HMO-Central Mass Health Care Central Care
F	MCR-MC	123	Medicare HMO-Community Health Plan Medicare Plus
F	MCR-MC	131	Medicare HMO-Enhance (Pilgrim product)
F	MCR-MC	125	Medicare HMO-Fallon Senior Plan
F	MCR-MC	126	Medicare HMO-Harvard Community Senior Care
F	MCR-MC	127	Medicare HMO-Health New England Medicare Wrap
F	MCR-MC	128	Medicare HMO-HMO Blue for Seniors
F	MCR-MC	129	Medicare HMO-Kaiser Medicare Plus Plan
F	MCR-MC	132	Medicare HMO-Matthew Thornton Senior Plan
F	MCR-MC	130	Medicare HMO-Ocean State Physician Health Plan
F	MCR-MC	134	Medicare HMO-Other (not listed elsewhere)
F	MCR-MC	133	Medicare HMO-Tufts Medicare Supplement (TMS)
N	NONE	159	None (Valid for Secondary Source of Payment
O	OTH	153	Grant
O	OTH	152	Foundation
O	OTH**	150	Other Non-Managed Care (not listed elsewhere)

PAYOR TYPE		SOURCE OF PAYMENT	
Code	Abbreviation	Code	Definition
E	PPO	71	ADMAR
E	PPO	10	Advantage (Pilgrim product)
E	PPO	12	Central Mass Health-Care Central Plus
E	PPO	13	Community Health Plan Options
E	PPO	88	Freedom Care
E	PPO	14	Health New England Advantage
E	PPO	90	Healthsource Preferred (self-funded)
E	PPO	77	Options for Healthcare PPO
E	PPO	79	Pioneer Health Care PPO
E	PPO**	149	PPO and Other Managed Care (not listed elsewhere)
E	PPO	93	Psychological Health Plan
E	PPO	80	Tufts Total Health Plan
	RES	22	Reserved Field
	RES	23	Reserved Field
	RES	27	Reserved Field
	RES	28	Reserved Field
	RES	30	Reserved Field
	RES	31	Reserved Field
	RES	33	Reserved Field
	RES	34	Reserved Field
	RES	35	Reserved Field
	RES	36	Reserved Field
	RES	37	Reserved Field
	RES	38	Reserved Field
	RES	39	Reserved Field
	RES	42	Reserved Field
	RES	49	Reserved Field
	RES	50	Reserved Field
	RES	69	Reserved Field
	RES	72	Reserved Field
	RES	73	Reserved Field
	RES	74	Reserved Field
	RES	83	Reserved Field
	RES	84	Reserved Field
	RES	86	Reserved Field
	RES	95	Reserved Field
	RES	96	Reserved Field
	RES	97	Reserved Field
	RES	98	Reserved Field
	RES	99	Reserved Field
1	SP	145	Self-Pay
2	WOR	146	Worker's Compensation

NOTES: * Medigap is always supplemental to Medicare.
**Please list under specific carrier when possible.